

APPENDIX 2: Healthy Youth Survey

King County Healthy Youth Survey 2004 Analysis

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This analysis examines the patterns for Risk and Protective Factors and some other selected measures for King County youth in 6th, 8th and 10th grades from the 2004 Healthy Youth Survey. For the purposes of analysis, we have divided the county into four regions: North King County, Seattle, South King County and East King County. The goal is to understand the risk and protective factors that emerge in different regions and to use these data to help with strategic planning efforts around substance abuse and violence prevention efforts.

TABLES 1-3 present the data by region, for the county and for the State as a whole across the different measures of interest. We have used red font to note those rates in different regions that appear “elevated” (*i.e., higher risk or lower protection*) relative to the county as a whole and the other regions. For example, for 6th grade *Perceived Availability of Drugs*, the **26.4** percent for Seattle is “elevated: as compared to **20.9** for the county as a whole. We will note these key disparities in the summary findings below.

The other HYS measures of interest in this study include:

- 30 day use of alcohol
- 30 day use of marijuana
- 30 day use of other illegal drugs (8th and 10th grade only)
- Percent ever thought about/considered killing yourself/suicide
- Percent report being bullied in the last month

A few comments about the data:

- ✓ The South and East County data are an aggregation of many different school districts. In some cases there is considerable variation within just that region that is worth noting. For example, risk and protective factor profile of a district such as Riverview is quite different from Lake Washington, though both are included in the East County summary.
- ✓ The Seattle data is based on only those schools with HYS data in 2004. We know that this is not all the schools and that the participation rates for some schools and district wide are fairly low. We also have the companion Seattle CTC data to better understand the patterns for this district.
- ✓ There is less data from schools on the Family Protective (6th grade) and Family Risk factors (8th and 10th grades). School districts have the option to exclude these questions from the survey. In fact, neither of the North King County districts have data on these factors. The districts without family risk and protective factor data include Bellevue, Northshore, Shoreline, Auburn, Kent (8th and 10th grades) and Renton (8th and 10th grades)
- ✓ The 12th grade data is not presented in this analysis. The county wide participation rate is lower and the participation in many school districts is lower.

In addition, it is believed for some of the prevalence measures the 8th and 10th grade data is more reliable.

6th Grade (see TABLE 1)

Risk Factors

- ✓ Elevated community risk factors for Seattle, in particular for *Community Laws and Norms*. In addition, in South King County *Perceived Availability of Drugs* is elevated.
- ✓ For Seattle *Perceived Risk of Drug Use* is elevated (i.e., 41 percent at risk)
- ✓ Generally lower risk for North and East King County

Protective Factors

- ✓ Family Protective factors lower for Seattle and South King County; no data for North King County
- ✓ *Prosocial Involvement* is low for South King County
- ✓ Seattle has low *Community Rewards for Prosocial Involvement*

Other HYS Measures

- ✓ 6th grade alcohol and drug use rates are typically low. The marijuana use rate is highest in Seattle (2.5 vs. 1.7 percent)
- ✓ The percent considering suicide is slightly elevated in South King County.

8th Grade (see TABLE 2)

Risk Factors

- ✓ Community Risk factors are especially elevated for South King County. Of note is the 58 percent at risk for *Transitions and Mobility* and the 27 percent at risk for *Perceived Availability of Drugs*. The risk of *Community Laws and Norms* is highest in Seattle.
- ✓ Family Risk Factors are high for Seattle. The highest risk for *Favorable Attitudes Towards Anti-Social Behavior* is in South King County.
- ✓ Rates of *Academic Failure* are highest for South King County youth; we also see that is slightly higher than the county for East King County
- ✓ The set of Peer-Individual Risk factors are clearly elevated for both Seattle and South King County youth. *Interactions with Anti-Social Peers* is one where the rates are particularly high in contrast with the County and State.
- ✓ In general the results for North King County mirror the overall County results. The East King County risk levels are much lower across the board

Protective Factors

- ✓ We find that for youth Seattle lower rates of *Rewards for Prosocial Involvement* for both the Community and School domains. *Community Opportunities for Prosocial Involvement* is also lower for both Seattle and South King County
- ✓ The peer-individual risk factors are lower for both Seattle and South King County. In Seattle, *Interaction with Prosocial Peers* is quite low compared with the county: in South King County *Prosocial Involvement* (38 percent protected) is very low in comparison with other regions.
- ✓ The protective factor rates are high in East King County. Similarly for North King County, though the rate for *Prosocial Involvement* is lower than the county rate.

Other HYS Measures

- ✓ Seattle and South King County youth report the highest substance use rates across the county.
- ✓ Suicide ideation and bullying experience are slightly higher for South King County youth.

10th Grade (see TABLE 3)

Risk Factors

- ✓ The risk for *Transitions and Mobility* is particularly high for South King County youth. It is also higher than the County for the North County youth.
- ✓ *Perceived Availability of Drugs* and *Community Laws and Norms* are both elevated for the Seattle youth.
- ✓ Looking at the Family factors we find that *Family Management* is elevated for the Seattle youth.
- ✓ The risk levels for *Academic Failure* are highest for Seattle and South King County. Interestingly the highest risk for *Low School Commitment* is in East King County.
- ✓ In general the set of Peer-Individual Risk Factors are elevated for Seattle youth. We do observe a few factors that also are elevated for the North King County youth: *Rewards for Anti-Social Involvement* and *Intentions to Use*. The *Rewards for Anti-Social Involvement* is also elevated for the East King County youth.

Protective Factors

- ✓ We find lower protection rates of *Community Rewards for Prosocial Involvement* for Seattle and South King County.
- ✓ There are few variations in the School Protective factors
- ✓ The protection rate for *Prosocial Involvement* is lowest for South King County youth. In contrast the protection rate for *Social Skills* is lower for Seattle youth

Other HYS Measures

- ✓ The 30 day marijuana use rates are most elevated for the South King County and the Seattle youth.
- ✓ Suicide ideation is higher for South King County youth and some for North King County youth
- ✓ East King County youth report the highest rates for bullying experience.

TABLE 1: Comparison Across King County Regions – HYS 2004 6th Grade

% at Risk for Risk Factors; % Protected for Protective Factors	ALL KING COUNTY	NORTH COUNTY	SEATTLE	SOUTH COUNTY	EAST COUNTY	STATE
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	%	%	%	%	%	%
Community Risk Factors						
Perceived Availability of Drugs	20.9	18.4	26.4	23.3	17.4	22.5
Laws And Norms Favorable to Drug Use	35.6	35.0	40.0	36.5	29.7	37.1
Community Protective Factors						
Rewards for Prosocial Involvement	40.8	43.1	36.7	39.3	40.3	38.6
Family Protective Factors						
Opportunities for Prosocial Involvement	59.3	N/A	52.2	54.2	68.2	58.5
Rewards for Prosocial Involvement	61.8	N/A	55.2	57.8	73.0	62.5
School Risk Factors						
Academic Failure	39.1	40.0	37.5	42.6	31.6	40.6
Low Commitment to School	45.3	46.1	47.7	44.3	41.4	44.4
School Protective Factors						
Rewards for Prosocial Involvement	50.5	59.3	50.7	52.1	54.3	52.3
Peer-Individual Risk Factors						
Perceived Risk of Drug Use	33.1	29.6	41.0	34.2	23.2	30.3
Favorable Attitudes Towards Drug Use	22	20.3	25.0	24.0	17.3	22.2
Peer-Individual Protective Factors						
Interaction With Prosocial Peers	50.1	50.5	44.5	45.1	54.4	48.4
Prosocial Involvement	44.5	48.5	51.1	41.7	54.2	43.3
1+ Days Alcohol Use in Last 30 days	4.7	3.4	4.9	4.4	2.4	4.4
1+ Days Marijuana Use in Last 30 days	1.7	0.5	2.5	1.5	0.7	1.7
Ever Thought about Killing Yourself?	17.9	17.4	18.6	19.5	13.4	18.3
Bullied 1+ times in the last 30 days	28.8	28.1	30.5	30.6	27.9	30.1

NORTH – Northshore and Shoreline

SOUTH – Auburn, Highline, Kent, Renton, Tahoma, Tukwila, Vashon

EAST – Bellevue, Lake Washington, Issaquah, Snoqualmie, Riverview

TABLE 2: Comparison Across King County Regions – HYS 2004 8th Grade

<i>% at Risk for Risk Factors; % Protected for Protective Factors</i>	ALL KING COUNTY	NORTH COUNTY	SEATTLE	SOUTH COUNTY	EAST COUNTY	STATE
	%	%	%	%	%	%

Community Risk Factors

Transitions and Mobility	49.3	40.5	48.8	58.0	42.5	50.5
Perceived Availability of Drugs	19.8	18.9	27.7	27.0	18.0	23
Perceived Availability of Handguns	28.4	25.6	32.2	31.1	22.8	34.4
Laws and Norms Favorable to Drug Use	25.4	23.2	35.3	31.9	19.7	29.8

Community Protective Factors

Opportunities for Prosocial Involvement	76.4	79.0	62.5	67.8	78.5	72.3
Rewards for Prosocial Involvement	58.8	59.8	47.4	54.9	60.3	56.6

Family Risk Factors

Poor Family Management	39.4	N/A	45.5	42.4	34.0	38.4
Parental Attitudes Favorable towards Drug Use	30.4	N/A	36.8	33.4	23.0	31.2
Parental Attitudes Favorable to Antisocial Behavior	48.4	N/A	51.3	55.0	40.3	50.5

School Risk Factors

Academic Failure	42.6	41.9	44.4	49.3	45.3	48.2
Low Commitment to School	36.3	36.6	39	38.8	36.3	37.1

School Protective Factors

Opportunities for Prosocial Involvement	59.2	64.8	59.1	60.2	66.2	62.2
Rewards for Prosocial Involvement	53.2	56.3	47.5	52.6	60.2	53.4

Peer-Individual Risk Factors

Perceived Risk of Drug Use	30.4	29.3	43.6	36.4	27.2	35
Early Initiation of Drug Use	17	16.3	26.6	25.2	12.9	24.6
Early Initiation of Antisocial Behavior	26.3	25.0	39.3	34.7	19.7	32.9
Favorable Attitudes Towards Drug Use	25.8	23.6	32.4	30.9	18.8	27.2
Favorable Attitudes Towards Antisocial Behavior	33.2	30.8	40.7	36.5	26.6	33.3
Rewards for Antisocial Involvement	47.9	45.0	53.8	50.6	38.7	48.8
Friends' Use of Drugs	20.9	19.1	31.1	27.3	15.5	27.2
Interaction With Antisocial Peers	33.1	31.0	52.6	43.1	26.5	41.7
Intentions to Use	28.8	27.9	36.3	29.5	23.9	28.3

Peer-Individual Protective Factors

Interaction With Prosocial Peers	60.3	59.7	49.3	50.7	64.2	54.7
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Belief in the Moral Order	65.8	66.8	57.9	61.8	70.0	64.2
Prosocial Involvement	48.3	43.5	44.9	38.0	46.6	40
Social Skills	73.5	73.8	67.1	67.5	77.0	70.7
1+ Days Alcohol Use in Last 30 days	14.6	13.5	17.4	16.7	12.1	18
1+ Days Marijuana Use in Last 30 days	6.6	6.3	11.4	9.7	5.0	9.2
1+ Days Other Drug Use in Last 30 days	2.4	2.5	3.1	3.8	2.2	3.3
Ever considered suicide?	13.7	13.3	14.6	15.4	12.0	13.7
Bullied 1+ times in the last 30 days	27.2	27.8	27.7	28.6	25.8	28.6
<i>NORTH – Northshore and Shoreline</i>						
<i>SOUTH – Auburn, Highline, Kent, Renton, Tahoma, Tukwila, Vashon</i>						
<i>EAST – Bellevue, Lake Washington, Issaquah, Snoqualmie, Riverview</i>						

TABLE 3: Comparison Across King County Regions – HYS 2004 10th Grade

<i>% at Risk for Risk Factors; % Protected for Protective Factors</i>	ALL KING COUNTY	NORTH COUNTY	SEATTLE	SOUTH COUNTY	EAST COUNTY	STATE
	%	%	%	%	%	%
Community Risk Factors						
Transitions and Mobility	61.1	62.0	52.9	67.2	57.8	57.7

Perceived Availability of Drugs	33.2	34.3	41.7	34.3	29.8	31.8
Perceived Availability of Handguns	17.9	13.8	17.5	19.6	11.7	21
Laws and Norms Favorable to Drug Use	36.6	32.1	44.1	38.1	27.1	40.1
Community Protective Factors						
Opportunities for Prosocial Involvement	70.1	73.7	64.1	67.4	77.3	72.4
Rewards for Prosocial Involvement	58.4	61.1	58.2	57.5	63.2	60.4
Family Risk Factors						
Poor Family Management	43.9	N/A	48.7	44.1	40.0	38.7
Parental Attitudes Favorable towards Drug Use	42	N/A	42.5	44.6	39.1	41.8
Parental Attitudes Favorable to Antisocial Behavior	53.7	N/A	53.8	53.4	48.9	50.8
School Risk Factors						
Academic Failure	44.7	44.6	49	48.5	42.3	47.2
Low Commitment to School	43	42.6	42.9	40.6	45.6	40.7
School Protective Factors						
Opportunities for Prosocial Involvement	56.6	63.1	55.7	59.4	60.3	58.5
Rewards for Prosocial Involvement	58.9	61.4	59.7	58.9	65.1	61.2
Peer-Individual Risk Factors						
Perceived Risk of Drug Use	34.1	33.2	40.4	33.7	28.8	33.7
Early Initiation of Drug Use	26.4	25.3	31.8	29.7	20.2	29.2
Early Initiation of Antisocial Behavior	31.5	30.9	43.5	37.1	25.5	35.4
Favorable Attitudes Towards Drug Use	36.3	38.0	42.8	38.3	33.2	35
Favorable Attitudes Towards Antisocial Behavior	42.9	44.9	47.1	45.1	39.6	41
Rewards for Antisocial Involvement	43	46.8	41.4	41.2	42.9	44.7
Friends' Use of Drugs	26.2	26.6	30	28.2	22.2	27.6
Interaction With Antisocial Peers	42.4	45.6	51.8	47.5	34.7	45.2
Intentions to Use	37.4	43.3	43.4	38.3	35.8	37.3
Peer-Individual Protective Factors						
Interaction With Prosocial Peers	57.6	57.1	56.2	56.2	59.7	56.9
Belief in the Moral Order	68.1	67.9	66.9	67.5	71.7	68.6
Prosocial Involvement	43	46.9	46.6	40.0	55.4	45.1

Social Skills	59.4	61.2	53.9	57.6	63.5	60.8
1+ Days Alcohol Use in Last 30 days	31.2	29.5	31.5	31.9	23.6	32.6
1+ Days Marijuana Use in Last 30 days	15.9	18.8	23	17.0	10.4	17.1
1+ Days Other Drug Use in Last 30 days	5.2	7.4	4.9	5.7	4.3	5.7
Ever considered suicide?	18.1	19.1	12.5	20.7	14.7	17.8
Bullied 1+ times in the last 30 days	20.4	21.6	15	21.8	22.6	21.8
<i>NORTH – Northshore and Shoreline</i>						
<i>SOUTH – Auburn, Highline, Kent, Renton, Tahoma, Tukwila, Vashon</i>						
<i>EAST – Bellevue, Lake Washington, Issaquah, Snoqualmie, Riverview</i>						